

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
)  
ROBERT D. ROORDA ET AL. )  
)  
Serial No.: Unassigned ) Group Art Unit: Unknown  
)  
Filed: Herewith ) Examiner: Unknown  
)  
For: BEAM-STEERING OF MULTI- )  
CHROMATIC LIGHT USING )  
ACOUSTO-OPTICAL )  
DEFLECTORS AND DISPERSION- )  
COMPENSATORY OPTICS )

#4  
29 May 02  
R. Tallis

Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, Applicants disclose the following information:

1. U.S. Patent No. 4,863,226, inventors Houpt et al., issued September 5, 1989;
2. U.S. Patent No. 5,034,613, inventors Denk et al., issued July 23, 1991;
3. Denk et al., "Two-Photon Laser Scanning Fluorescence Microscopy," Science, Vol. 248:73-6 (6 April 1990);
4. Fan et al., "Video-Rate Scanning Two-Photon Excitation Fluorescence Microscopy and Ratio Imaging with Cameleons," Biophysical Journal, 76:2412-20 (May 1999);
5. Koester et al., "Ca<sup>2+</sup> Fluorescence Imaging with Pico- and Femtosecond Two-Photon Excitation: Signal and Photodamage," Biophysical Journal, 77:2226-36 (October 1999);
6. Mainen et al., "Two-Photon Imaging in Living Brain Slices," Methods, 18:231-9 (1999);
7. Parthenopoulos et al., "Three-Dimensional Optical Storage Memory," Science, 245:843-5 (25 August 1989);
8. Campagnola et al., "High-Resolution Nonlinear Optical Imaging of Live Cells by Second Harmonic Generation," Biophysical Journal, 77:3341-9 (December 1999);

9. Denk et al., "Photon Upmanship: Why Multiphoton Imaging Is More than a Gimmick," Neuron, 18:351-7 (March 1997);
10. Denk et al., "Two-Photon Molecular Excitation in Laser-Scanning Microscopy," pages 445-457 of Handbook of Biological Confocal Microscopy, edited by James B. Pawley, Plenum Press, New York (1995); and
11. Moreaux et al., "Coherent Scattering in Multi-Harmonic Light Microscopy," Biophysical Journal, 80:1568-74 (March 2001).

Copies of the foregoing documents are provided with this paper. In addition, these documents are listed on the enclosed PTO Form FB-A820. Applicants respectfully request that the Examiner consider the enclosed documents and evidence that consideration by making appropriate notations on the enclosed form.

This submission does not represent that a search has been made or that no better prior art exists and does not constitute an admission that the enclosed documents constitute "prior art."

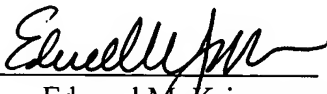
Applicants reserve the right to take appropriate action to establish the patentability of the disclosed invention over the enclosed documents, should the documents be applied against the claims of the present invention.

If there are any fees due in connection with the filing of this paper that are not accounted for, the Examiner is authorized to charge the fees to our Deposit Account No. 11-1755. If a fee is

required for an extension of time under 37 C.F.R. 1.136 that is not accounted for already, such an extension of time is requested and the fee should also be charged to our Deposit Account.

Respectfully submitted,

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